

PTO-1449 REPRODUCED

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

February 19, 2002

(Use several sheets if necessary)

ATTORNEY DOCKET NO.

301506.3001-100

APPLICATION NO.

09/990,880

APPLICANT

Andrew Karellas

FILING DATE

11/21/01

GROUP

2882

U.S. PATENT DOCUMENTS

| EXAM- INER INI- TIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
|-------------------------------|----|-----------------|----------|----------------|-------|---------------|-------------------------------|
| CT | AA | 2,198,479 | 04/23/40 | I. Langmuir | 250 | 214 VT | |
| | AB | 4,298,800 | 11/03/81 | Goldman | 378 | 19 | |
| | AC | 4,709,382 | 11/24/87 | Sones | 378 | 62 | |
| | AD | 4,792,900 | 12/20/88 | Sones et al. | 600 | 407 | |
| | AE | 5,027,380 | 06/25/91 | Nishiki | 378 | 4 | |
| | AF | 5,166,524 | 11/24/92 | Lee et al. | 250 | 580 | |
| | AG | 5,168,160 | 12/01/92 | Jeromin et al. | 250 | 580 | |
| | AH | 5,293,574 | 03/08/94 | Roehm et al. | 378 | 98.2 | |
| | AI | 5,300,784 | 04/05/94 | Fender et al. | 250 | 484.2 | |
| | AJ | 5,309,496 | 05/03/94 | Winsor | 378 | 98.2 | |
| | AK | 5,313,066 | 05/17/94 | Lee et al. | 250 | 370.09 | |

FOREIGN PATENT DOCUMENTS

| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES | NO |
|----|----|-----------------|--------------|------------------|-------|---------------|--------------------|----|
| CT | AL | WO 97/42877 | 20 Nov. 1997 | PCT | | | | |
| | AM | EP 0866501 A1 | 23 Sep. 1998 | Europe | | | | |
| | AN | JP 8107521 | 23 Apr. 1996 | Japan (Abstract) | | | Abstract | |
| | AO | JP 11259647 | 24 Sep. 1999 | Japan (Abstract) | | | Abstract | |
| | AP | NL 9102063 | 10 Dec. 1991 | Netherlands | | | Abstract | |
| | AQ | | | | | | | |

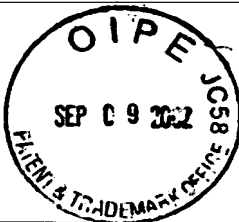
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

| | | |
|----|----|---|
| CT | AR | Burke, et. al. "An Abutable CCD Imager for Visible and X-Ray Focal Plane Arrays." <i>IEEE Electron Devices</i> , vol. 38, no. 5 pp. 1069-1076, May 1991. |
| | AS | W.J. Van der Putten and S. Bouley. "Performance Evaluation of Image Intensifier-TV Fluoroscopy Systems," <i>Proc. SPIE</i> vol. 2432, pp. 376-383, Medical Imaging 1995: Physics of Medical Imaging, R.L. Van Metter and J. Beutel; Editors (1995). |
| | | Vedantham, S., et. al. "Feasibility of Cardiac Fluoroscopy with Large-area Charge-Coupled Devices." <i>Medical Physics</i> , 28 no. 8, August 2001 |

EXAMINER

DATE CONSIDERED

04.11.03



| | | | | | | | |
|--|-----|-----------------|----------|----------------------|-------|-----------------|-------------------------------|
| PTO-1449 REPRODUCED | | | | ATTORNEY DOCKET NO. | | APPLICATION NO. | |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | | 301506.3001-100 | | 09/990,880 | |
| February 19, 2002 | | | | APPLICANT | | | |
| (Use several sheets if necessary) | | | | Andrew Karellas | | | |
| | | | | FILING DATE | | GROUP | |
| | | | | 11/21/01 | | 2882 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAM- INER INI- TIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| CT | AA3 | 5,809,105 | 09/15/98 | Roehm et al. | 378 | 98.12 | |
| | AB3 | 5,827,757 | 10/27/98 | Robinson, Jr. et al. | 438 | 73 | |
| | AC3 | 5,844,243 | 12/01/98 | Lee et al. | 250 | 370.09 | |
| | AD3 | 5,864,146 | 01/26/99 | Karellas | 250 | 581 | |
| | AE3 | 6,031,892 | 02/29/00 | Karellas | 378 | 98.3 | |
| | AF3 | 6,285,739 | 09/04/01 | Rudin et al. | 378 | 98.8 | |
| | AG3 | | | | | | |
| | AH3 | | | | | | |
| | AI3 | | | | | | |
| | AJ3 | | | | | | |
| | AK3 | | | | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| | AZ | | | | | | |
| | AR2 | | | | | | |
| | | | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |
| Courtney Thomas | | | | 04.11.03 | | | |



| | | | | | | | |
|--|-----|--|----------|---------------------|-------|-----------------|-------------------------------|
| PTO-1449 REPRODUCED | | | | ATTORNEY DOCKET NO. | | APPLICATION NO. | |
| INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | | 301506.3001-100 | | 09/990.880 | |
| February 19, 2002 | | | | APPLICANT | | | |
| (Use several sheets if necessary) | | | | Andrew Karellas | | | |
| | | | | FILING DATE | | GROUP | |
| | | | | 11/21/01 | | 2882 | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAM- INER INI- TIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB- CLASS | FILING DATE IF APPROPRIATE |
| CT | AA2 | 5,319,206 | 06/07/94 | Lee et al. | 250 | 370.09 | |
| | AB2 | 5,331,179 | 07/19/94 | Lee et al. | 250 | 591 | |
| | AC2 | 5,381,000 | 01/10/95 | McKee, Jr. | 250 | 214 VT | |
| | AD2 | 5,381,014 | 01/10/95 | Jeromin et al. | 250 | 370.09 | |
| | AE2 | 5,388,138 | 02/07/95 | Fujiwara | 378 | 108 | |
| | AF2 | 5,463,668 | 10/31/95 | Kagaya | 378 | 98.2 | |
| | AG2 | 5,498,880 | 05/12/96 | Lee et al. | 250 | 580 | |
| | AH2 | 5,563,421 | 10/08/96 | Lee et al. | 250 | 580 | |
| | AI2 | 5,652,430 | 07/29/97 | Lee | 250 | 370.09 | |
| | AJ2 | 5,661,309 | 08/26/97 | Jeromin et al. | 250 | 580 | |
| | AK2 | 5,804,832 | 09/08/98 | Crowell et al | 250 | 580 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
| | | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUB- CLASS | TRANSLATION YES NO |
| | AL | | | | | | |
| OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) | | | | | | | |
| CT | AU | Herron, John M., et. al. "X-Ray Imaging With Two-Dimensional Charge-Coupled Device (CCD) Arrays." <i>Medical Imaging and Instrumentation</i> , vol. 486, pp. 141-145, 1984 | | | | | |
| | AV | H. Blume, et. al. "Image Intensifier and X-ray Exposure Control Systems." Categorical course in Physics, 87-103, Radiological Society of North America (RSNA), (1995), pp. 87-103 | | | | | |
| | AW | G. Spekowius, "Simulation of the Imaging Performance of X-ray Image Intensifier/TV Camera Chains." <i>Proc. SPIE 2432, 12-23, Medical Imaging 1995: Physics of Medical Imaging</i> , R.L. Van Metter and J. Beutel; Editors (1995) | | | | | |
| | AX | Coltman, S. "Fluoroscopic Image Brightening by Electronic Means." <i>Radiology</i> 51, 359-367 (1948) | | | | | |
| EXAMINER | | | | DATE CONSIDERED | | | |
| Courtney Thomas | | | | 04.11.03 | | | |